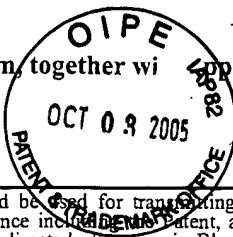


Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSU FEE
Commissioner . Patents
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7590 07/01/2005

Robert E. Bushnell
Suite 300
1522 K Street, N.W.
Washington, DC 20005
10/05/2005 HBEYENE2 00000059 09964375

01 FC:1501 1400.00 DP
02 FC:1504 300.00 DP

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/964,375 | 09/28/2001 | Jong-Seo Choi | P56533 | 2237 |

TITLE OF INVENTION: CATHODE FOR ELECTRON TUBE AND METHOD OF PREPARING THE CATHODE

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1400 | \$300 | \$1700 | 10/03/2005 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|---------------------|----------|----------------|
| QUARTERMAN, KEVIN J | 2879 | 313-309000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address Form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Robert E. Bushnell, Esq.

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

SAMSUNG SDI DO., LTD.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Suwon-si Gyeonggi-do KOREA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature Robert E. Bushnell

Date 3 October 2005

Typed or printed name Robert E. Bushnell, Esq.

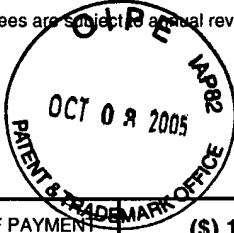
Registration No. 27,774

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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FEE TRANSMITTAL

Patent fees are subject to annual revision.



Complete If Known

| | |
|----------------------|---------------------|
| Application Number | 09/964,375 |
| Filing Date | 28 September 2001 |
| First Named Inventor | JONG-SEO CHOI |
| Examiner Name | QUARTERMAN, KEVIN J |
| Group/Art Unit | 2879 |
| Attorney Docket No. | P56533 |

TOTAL AMOUNT OF PAYMENT (\$)1,700.00

METHOD OF PAYMENT (check one)

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☐ Other

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27

2. The Commissioner is hereby authorized to charge any deficiency and credit any over payments to:

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FEE CALCULATION

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|-------------------------------|----------|----------|----------|---|----------|
| EXTENSION OF TIME FEES | | | | | |
| 1251 | 120 | 2251 | 60 | Extension for reply within first month | \$ |
| 1252 | 450 | 2252 | 225 | Extension for reply within second month | \$ |
| 1253 | 1020 | 2253 | 510 | Extension for reply within third month | \$ |
| 1254 | 1590 | 2254 | 795 | Extension for reply within fourth month | \$ |
| 1255 | 2160 | 2255 | 1080 | Extension for reply within fifth month | \$ |
| APPEAL | | | | | |
| 1401 | 500 | 2401 | 250 | Notice of Appeal | \$ |
| 1402 | 500 | 2402 | 250 | Filing a brief in support of an appeal | \$ |
| 1403 | 1000 | 2403 | 500 | Request for oral hearing | \$ |
| CLAIMS | | | | | |
| 1201 | 200 | 2201 | 100 | Independent claims in excess of 3 | \$ |
| 1202 | 50 | 2202 | 25 | claims in excess of 20 | \$ |
| Other Fee (specify) _____ | | | | | \$ |
| Other Fee (specify) _____ | | | | | \$ |
| Other Fee (specify) _____ | | | | | \$ |

SUBTOTAL: LEFT COLUMN \$0.00

FEE CALCULATION

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|---------------------------|----------|----------|----------|---|------------|
| MISCELLANEOUS | | | | | |
| 1801 | \$790 | 2801 | \$395 | Request for continued examination (RCE) | \$ |
| 1806 | \$180 | | | Submission of an IDS | \$ |
| 1814 | \$130 | 2814 | \$65 | Statutory disclaimer | \$ |
| 1501 | \$1,400 | 2501 | \$685 | Utility issue fee (or reissue) | \$1,400.00 |
| 1504 | \$300 | 1504 | 300 | Publication fee for early, voluntary, or normal publication | \$300.00 |
| 8021 | \$40 | | | Recordation of assignment per property | \$ |
| TRADEMARK | | | | | |
| 6001/7001 | | | \$335 | Application for registration, per class | \$ |
| 6002/7002 | | | \$100 | Amendment to Allege Use, per class | \$ |
| 6003/7003 | | | \$100 | Statement of Use, per class | \$ |
| 6004/7004 | | | \$150 | Request for six-month extension of time, per class | \$ |
| 6205/7205 | | | \$100 | \$8 affidavit, per class | \$ |
| 6208/7208 | | | \$200 | \$15 affidavit, per class | \$ |
| 6201/7201 | | | \$400 | Application for renewal, per class | \$ |
| 6403/7403 | | | \$100 | Ex parte appeal, per class | \$ |
| PETITION | | | | | |
| 1462 | | | \$400 | Petitions to Director (Group I) | \$ |
| 1463 | | | \$200 | Petitions to Director (Group II) | \$ |
| 1464 | | | \$130 | Petitions to Director (Group III) | \$ |
| 1452 | \$500 | 2452 | \$250 | Petitions to revive unavoidably abandoned application | \$ |
| 1453 | \$1500 | 2453 | \$750 | Petitions to revive unintentionally abandoned application | \$ |
| PATENT MAINTENANCE | | | | | |
| 1551 | \$900 | 2551 | \$450 | Due at 3.5 years | \$ |
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| 1553 | \$3800 | 2553 | \$1900 | Due at 11.5 years | \$ |
| Other Fee (specify) _____ | | | | | \$ |
| Other Fee (specify) _____ | | | | | \$ |
| Other Fee (specify) _____ | | | | | \$ |

SUBTOTAL: RIGHT COLUMN \$1,700.00

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-----------------------|--------------------------|------|----------------|-------------------------|--|
| Typed or Printed Name | Robert E. Bushnell, Esq. | | Reg. Number | 27,774 | |
| Signature | <i>RE Bushnell</i> | Date | 3 October 2005 | Deposit Account User ID | |

REB/fw

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PATENT
P56533

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

JONG-SEO CHOI, *et al.*

Serial No.: 09/964,375

Examiner: QUATERMAN, KEVIN J.

Filed: 28 September 2001

Art Unit: 2879

For: CATHODE FOR ELECTRON TUBE HAVING NEEDLE-SHAPED
CONDUCTIVE MATERIAL AND METHOD OF PREPARING THE CATHODE
(as amended)

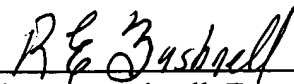
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Sir:

This transmittal accompanies a signed Issue Fee Transmittal, PTOL-85B form, and Applicant's check drawn to the order of the Commissioner of Patents & Trademarks in the amount of U.S. \$1,700.00.

Respectfully submitted,



Robert E. Bushnell, Esq.
Reg. No.: 27,774

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
(202)-408-9040

Enclosures: Issue Fee Transmittal, PTOL-85B, and check No. 49654
Folio: P56533
Date: 5/6/05
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